IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB POST-MIX DISPENSER (2 and 4-Flavor)

WITH HOT-GAS DEFROST AND V4 ELECTRONICS (DEFROST/ERROR INDICATOR LIGHTS)

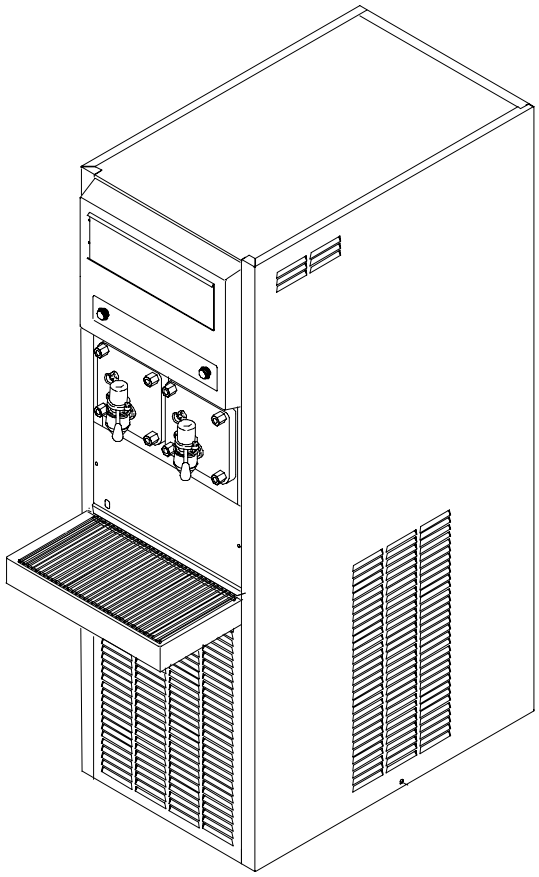
UNIT PART NO.

4166201xxx

4166220xxx

4166221xxx

4166001xxx



THIS DOCUMENT CONTAINS IMPORTANT INFORMATION

This manual contains the illustrated parts list for the FCB 3 H.P. Post-Mix Dispenser. Retain this manual as part of your equipment manual (P/N 560001279).

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

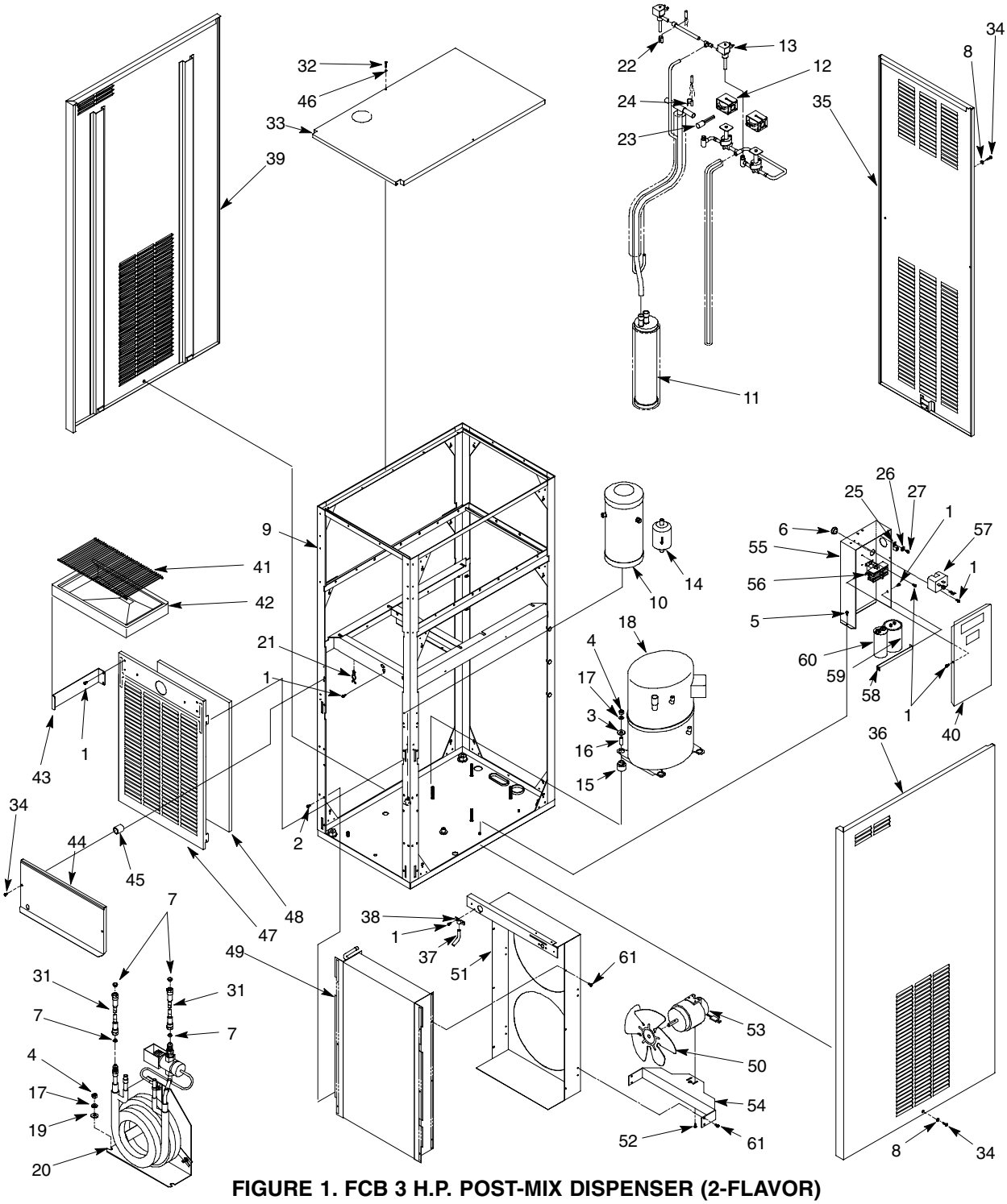


FIGURE 1. FCB 3 H.P. POST-MIX DISPENSER (2-FLAVOR)

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

Item No.	Part No.	Name
1	319941000	Thread Rolling Screw, Hex Washer Hd., No. 8-32 By 3/8-In. Long
2	325282000	Self-Drilling Screw, Hex Washer Hd., No. 8-18 By 1/2-In. Long
3	318418000	Washer, .312 I.D.
4	186146000	Hex Nut, 5/16-18
5	200498003	Hex Nut, No. 8-32
6	320389000	Bushing, Snap, .875 Dia.
7	311304000	Tapered Gasket, Black
8	343304000	Washer, No. 10
9	3796	Frame
10	325621011	Receiver
11	325577010	Accumulator
12	325579000	Solenoid, Refrigeration, 208/240V 50/60HZ
13	326071000	Expansion Valve, Refrigeration Solenoid
14	3557	Dryer
15	3608	Grommet, Compressor
16	3609	Spacer, Compressor
17	186148000	Washer, .319 I.D.
18	4274	Compressor Kit, 3 H.P. 230V 60HZ
19	320737000	Washer, .343 I.D.
20	0669	Condenser Coil and Bracket
21	560110011	Clip, Retainer, Syrup Lines
22	309338011	Clip, Sensor
23	1317	Filter, Solenoid
24	309338012	Clip, Sensor
25	325644000	Lug, Ground
26	325145000	Washer, No. 10
27	325069000	Machine Screw, Sl Hex Washer Hd., No. 10-24 By 1/2-In. Long
28	3586	Wire Harness, Input (Not Shown)
29	3585	Wire Harness, Output (Not Shown)
30	2342	Wire Harness, Hotgas (Not Shown)
31	176272396	Tube Ass'y, Water Coil (See Figure 21)
32	320106000	Thread Rolling Screw, Phil Pan Hd., No. 6-32 By 1-In. Long
33	560000936	Panel, Top, Stainless Steel, ICEE
	1425	Panel, Top, Stainless Steel
	560004317	Panel, Top, Beige, Air
	325721068	Panel, Top, Beige
	560000935	Panel, Top, White, Air
	325721073	Panel, Top, White
	560003942	Panel, Top, Black
34	3108	Thread Cutting Screw, Phil Pan Hd., No. 10-32 By 1-In. Long

Item No.	Part No.	Name
35	2776	Panel, Back, Stainless Steel, ICEE
	1425	Panel, Back, Stainless Steel
	0924	Panel, Back, Beige
	4964	Panel, Back, White
	560002055	Panel, Back, Black
36	1422	Panel, Side, Right-Hand, Stainless Steel
	0157	Panel, Side, Right-Hand, Beige
	0454	Panel, Side, Right-Hand, White
	560001811	Panel, Side, Right-Hand, Black
37	3823	Tube, Drain
38	320776000	Strap, Drain Tube
39	1421	Panel, Side, Left-Hand, Stainless Steel
	0156	Panel, Side, Left-Hand, Beige
	0455	Panel, Side, Left-Hand, White
	560001810	Panel, Side, Left-Hand, Black
40	325635000	Cover, Control Box, Lower
41	3761	Cup Rest
	620708530	Cup Rest, New
42	3762	Drip Tray
	620046231	Drip Tray, New
43	3764	Support, Drip Tray
	620052090	Support, Drip Tray, New
	620052091	Support, Drip Tray, New
44	560003644	Panel Splash, ICEE
	3763	Panel Splash
	560002056	Panel Splash, Black
45	3247	Spacer, .500 I.D.
46	322967000	Washer, .142 I.D.
47	4223	Grille, Stainless Steel
	560001295	Grille, White
	3765	Grille, Biege
48	4659	Filter
49	161870005	Condenser Coil
50	165595003	Blade, Fan
51	161890006	Shroud, Condenser
52	186154000	Machine Screw, Phil Pan Hd., No. 8-36 By 3/8-In. Long
53	319357000	Motor, 230V 50/60HZ 50W 1550RPM
54	163183007	Bracket, Condenser Motor
55	325738000	Control Box, Lower
56	320620000	Relay, 208/240V 50/60HZ
57	40285	Relay, Start, 230V 60HZ
58	325956000	Strap, Capacitor
59	560003369	Capacitor, Start
60	161192005	Capacitor, Run
61	312251000	Thread Rolling Screw, Phil Pan Hd, No. 10-24 By 3/8-In. Long

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

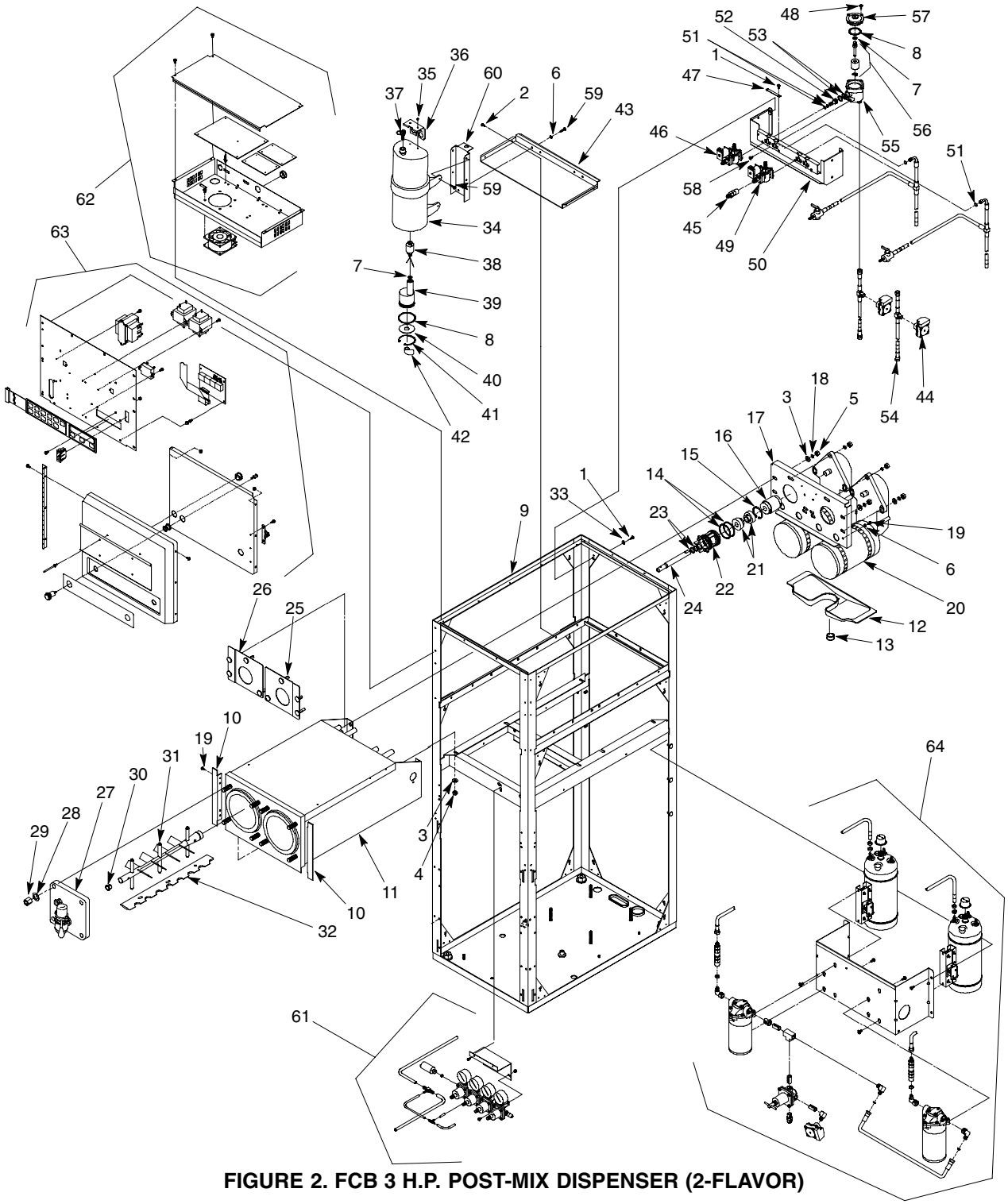


FIGURE 2. FCB 3 H.P. POST-MIX DISPENSER (2-FLAVOR)

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

Item No.	Part No.	Name
1	319941000	Thread Rolling Screw, Hex Washer Hd., No. 8-32 By 3/8-In. Long
2	325282000	Self-Drilling Screw, Hex Washer Hd., No. 8-18 By 1/2-In. Long
3	318418000	Washer, .312 I.D.
4	189429000	Hex Nut, 1/4-20
5	560004890	Hex Nut, 5/16-18
6	343304000	Washer, No. 10
7	315931000	O-Ring, .364 I.D. By .070 C.S.
8	315925000	O-Ring, 1.609 I.D. By .139 C.S.
9	3796	Frame
10	325701000	Extension, Foam Pack
11	4409	Foam Pack
12	3879	Cover, Motor
13	111353000	Clamp, Cover
14	2360	O-Ring, 1.86 I.D. By .139 C.S.
15	2583	Retaining Ring
16	3787	Coupling, Shaft
17	3238	Bracket, Motor
18	343313000	Washer, .332 I.D.
19	320940000	Self-Drilling Screw, Hex Washer Hd., No. 10-16 By 5/8-In. Long
20	620314907	Motor, 1/4 H.P. 220V 60HZ 120 RPM
21	2463	Bearing, Shaft
22	2591	Housing, Shaft
23	2731	O-Ring, .671 I.D. By .139 C.S.
24	3156	Drive Shaft Ass'y
	3193	Shaft Ass'y (Includes #14, 21, 15, 22, 23, and 24)
25	3237	Plate, Beater Motor, Right-Hand
26	3236	Plate, Beater Motor, Left-Hand
27	326106000	Door Ass'y, Freeze Cylinder (See Figure 14)
28	320916000	Washer, .450 I.D.
29	320553001	Hex Nut, 7/16-14
30	2392	Bushing, .500 I.D.
31	2353	Body, Beater
32	325457000	Blade, Scraper
33	320539000	Washer, .191 I.D.
34	324047000	Tank, Blender

Item No.	Part No.	Name
35	311751000	Machine Screw, SI Hex Washer Hd., No. 4-40 By 1/4-In. Long
36	311743000	Retainer, Blender
37	326105000	Relief Valve Ass'y, 50-PSI
38	325288000	Switch Ass'y, Float
39	324048000	Holder, Float Switch
40	324116000	Washer, .625 I.D.
41	324115000	Ring, Retainer
42	186570000	Strain Relief
43	325716000	Support, Blender
44	5081	Soldout Switch
45	311764001	Check Valve Ass'y, Single (See Figure 19)
46	2487	Solenoid Valve Ass'y, Syrup (See Figure 16)
47	2469	Retainer, Module
48	343487000	Machine Screw, Phil Pan Hd., No. 8-32 By 1/2-In. Long
49	2486	Solenoid Ass'y, Water (See Figure 16)
50	2468	Panel, Solenoid
51	317015000	O-Ring, .239 I.D. By .070 C.S.
52	2462	Connector, Solenoid
53	183008000	O-Ring, .489 I.D. By .070 C.S.
54	560000854	Tube Ass'y, Syrup (See Figure 24)
55	315915000	Body, Float Switch
56	325170000	Float Switch
57	315916000	Cover, Switch
58	186150000	Machine Screw, Phil Pan Hd., No. 8-32 By 3/8-In. Long
59	188206000	Thread Rolling Screw, Phil Truss Hd., No. 10-24 By 3/4-In. Long
60	325507000	Bracket, Tank
61		Regulator Ass'y Components (See Figure 3)
62		Control Box Components (See Figure 4)
63		Sign Display Components (See Figure 5)
64		Carbonator and Pump Components (See Figure 6)

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

Item No.	Part No.	Name
		Regulator Ass'y Components
1	319941000	Thread Rolling Screw, Hex Washer Hd., No. 8-32 By 3/8-In. Long
2	178025100	Tapered Gasket, White
3	325776000	Pressure Switch, CO_2
4	326097000	Regulator Ass'y (See Figure 17)
5	174058000	Tube, .156 I.D. By 3-In. Long, CO_2 Regulator to Tee
6	317528000	Fitting, Tee, 1/8-Barb
7	174058000	Tube, .156 I.D. By 11-In. Long, Regulator Tee to Drain Tee
8	300393000	Fitting, Tee, 3/16-Barb By 3/8-Barb
9	174058000	Tube, .156 I.D. By 1-In. Long, CO_2 Regulator to Tee
10	325725000	Bracket, Regulator
11	186770000	Machine Screw, Phil Rd Hd., No. 10-24 By 5/8-In. Long
12	398024603	Hex Nut, No. 10-24

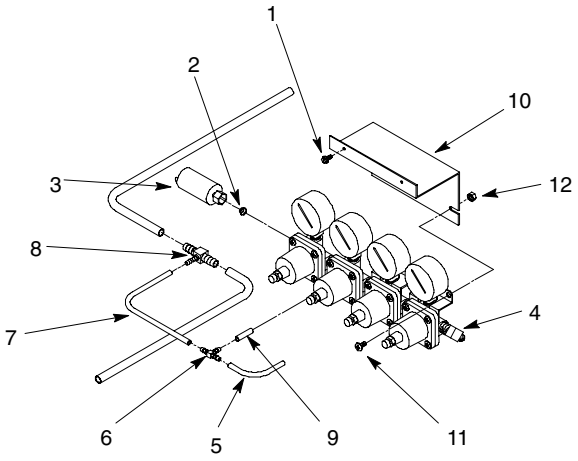


FIGURE 3. REGULATOR ASS'Y COMPONENTS (2-FLAVOR)

Item No.	Part No.	Name
		Control Box Components
1	325282000	Self-Drilling Screw, Hex Washer Hd., No. 8-18 By 1/2-In. Long
2	320389000	Bushing, Snap, .875 Dia.
3	325767000	Cover, Control Box, Upper
4	324136001	Board, P.C.
5	326077000	Board, P.C., Motor No. 2
6	326076000	Board, P.C., Motor No. 1
7	1020	Wire Harness, Circuit Board (Not Shown)
8	312251000	Thread Rolling Screw, Phil Pan Hd., No. 10-24 By 3/8-In. Long
9	324184000	Control Box, Upper
10	0150	Fan, 230V 9W
11	325925000	Support, P.C. Board

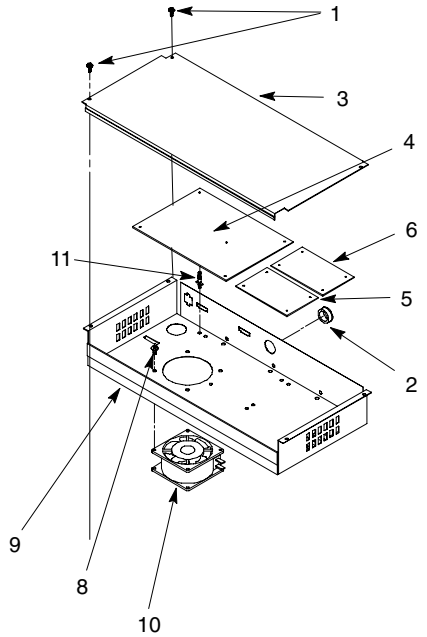


FIGURE 4. CONTROL BOX COMPONENTS (2-FLAVOR)

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

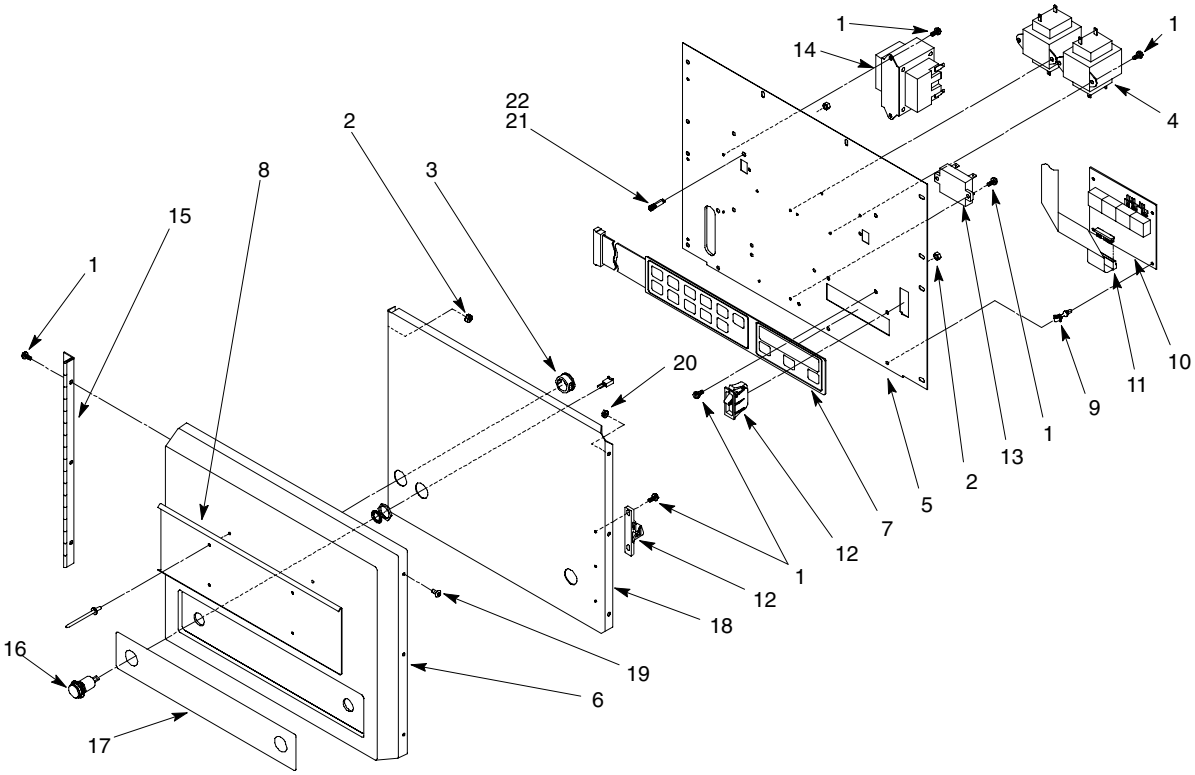


FIGURE 5. SIGN DISPLAY COMPONENTS

Item No.	Part No.	Name
		Sign Display Components
1	319941000	Thread Rolling Screw, Hex Washer Hd., No. 8-32 By 3/8-In. Long
2	200498003	Hex Nut, No. 8-32
3	320389000	Snap Bushing, .875 Dia.
4	319739000	Transformer, 240V 50/60HZ-24V
5	326151073	Plate, Backup, Sign
6	560000931	Housing, Display
7	4712	Switch, Touch
8	325981069	Holder, Flavor Tab
9	560001784	Support, P.C. Board
10	326078000	P.C. Board, Circuit
11	326079000	Cable, Ribbon

Item No.	Part No.	Name
12	560001783	Latch Ass'y
13	560001278	Relay, 125V 60HZ 15A
14	560001283	Transformer, 115/24V 50/60HZ
15	2897	Hinge
16	560000932	Light, Indicator
17	560000933	Label, Indicator Light
18	560000934	Panel, Door, Backup
19	320271000	Thread Cutting Screw, Phil Pan Hd, No. 6-32 By 3/8-In. Long
20	330181000	Hex Nut, No. 6-32
21	560001282	Holder, Fuse
22	60093001	Fuse, .75 Amp

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

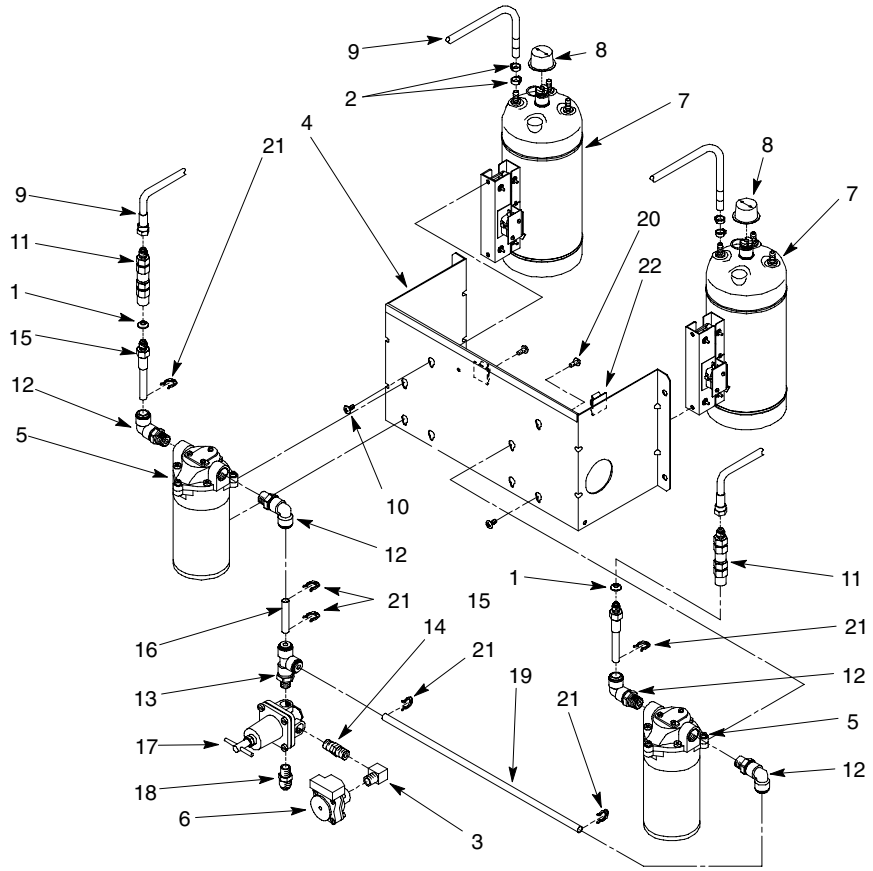


FIGURE 6. CARBONATOR AND PUMP COMPONENTS (2-FLAVOR)

Item No.	Part No.	Name
		Carbonator and Pump Components
1	178025100	Tapered Gasket, White
2	560004335	Clamp, For .395 O.D. Tube
3	183068000	Fitting, Elbow, 1/4-NPT
4	3497	Bracket, Carbonator
5	2494	Pump and Motor Ass'y
6	3159	Pressure Switch, Water
7	318035000	Carbonator Ass'y (See Figure 18)
8	317974000	Deflector, Relief Valve
9	318045000	Tube Ass'y, Water Pump to Carbonator (See Figure 22)
10	320767000	Machine Screw, Phil Pan Hd., No. 10-24 By 3/8-In. Long
11	311765001	Check Valve Ass'y, Dual (See Figure 19)

Item No.	Part No.	Name
12	4416	Fitting, Elbow, 3/8-MPT By 3/8
13	4415	Fitting, Tee, 1/4-MPT By 3/8
14	183047000	Fitting, 1/4-NPT By 7/8-Brass
15	4419	Tube, .250 I.D. By 2-In. Long
16	4420	Tube, .250 I.D. By 2-In. Long
17	0784	Pressure Regulator, Water
18	312062000	Fitting, 1/4-NPT By 5/8-18
19	4421	Tube, .250 I.D. By 12-In. Long
20	317895000	Thread Cutting Screw, Phil Pan Hd., No. 10-32 By 1/2-In. Long
21	4417	Clip, Lock
22	313736000	Clip, Guide

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

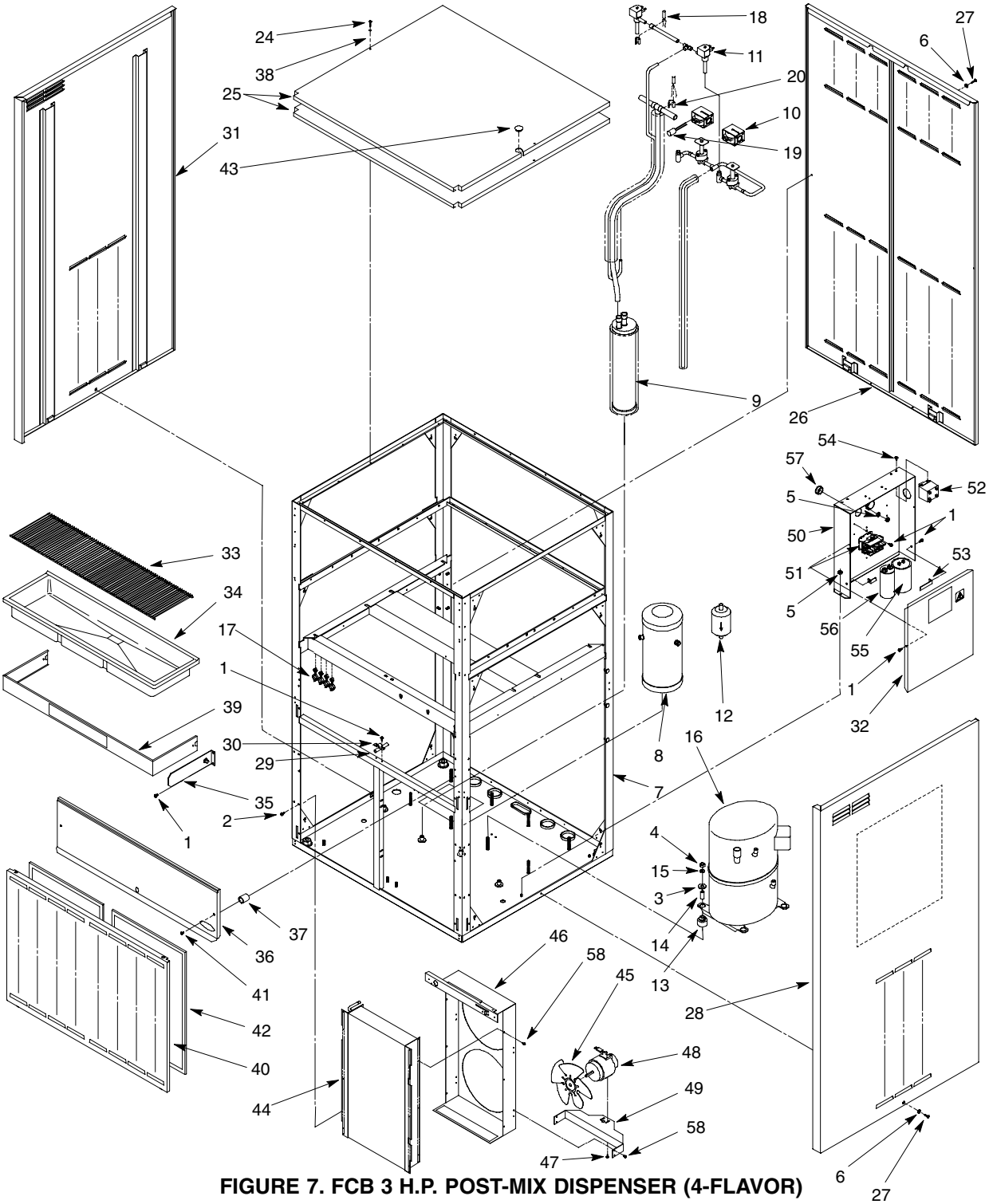


FIGURE 7. FCB 3 H.P. POST-MIX DISPENSER (4-FLAVOR)

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

Item No.	Part No.	Name
1	319941000	Thread Rolling Screw, Hex Washer Hd., No. 8-32 By 3/8-In. Long
2	325282000	Self-Drilling Screw, Hex Washer Hd., No. 8-18 By 1/2-In. Long
3	318418000	Washer, .312 I.D.
4	560004690	Hex Nut, 5/16-18
5	200498003	Hex Nut, No. 8-32
6	343304000	Washer, No. 10
7	560004450	Frame
8	325621011	Receiver
9	325577010	Accumulator
10	325579000	Solenoid, Refrigeration, 208/240V 50/60HZ
11	326071000	Expansion Valve, Refrigeration Solenoid
12	3557	Dryer
13	3608	Grommet, Compressor
14	3609	Spacer, Compressor
15	186148000	Washer, .319 I.D.
16	4274	Compressor Kit, 3 H.P. 230V 60HZ
17	560110011	Clip, Retainer, Syrup Lines
18	309338011	Clip, Sensor
19	1317	Filter, Solenoid
20	309338012	Clip, Sensor
21	3586	Wire Harness, Input (Not Shown)
22	3585	Wire Harness, Output (Not Shown)
23	2342	Wire Harness, Hotgas (Not Shown)
24	320106000	Thread Rolling Screw, Phil Pan Hd., No. 6-32 By 1-In. Long
25	560004446	Panel, Top, Stainless Steel
	560004583	Panel, Top, Beige
	560004449	Panel, Top, White
	560004582	Panel, Top, Black
26	560004475	Panel, Back, Stainless Steel
	560004585	Panel, Back, Beige
	560004474	Panel, Back, White
	560004584	Panel, Back, Black
27	3108	Thread Cutting Screw, Phil Pan Hd., No. 10-32 By 1-In. Long
28	1422	Panel, Side, Right-Hand, Stainless Steel
	0157	Panel, Side, Right-Hand, Beige
	0454	Panel, Side, Right-Hand, White
	560001811	Panel, Side, Right-Hand, Black
29	3823	Tube, Drain
30	320776000	Strap, Drain Tube
31	1421	Panel, Side, Left-Hand, Stainless Steel
	0156	Panel, Side, Left-Hand, Beige
	0455	Panel, Side, Left-Hand, White
	560001810	Panel, Side, Left-Hand, Black
32	560004747	Cover, Control Box, Lower
33	325992000	Cup Rest
34	325990039	Drip Tray
35	325985000	Support, Drip Tray
36	560004476	Panel Splash
37	3247	Spacer, .500 I.D.
38	322967000	Washer, .142 I.D.
39	325991000	Frame, Drip Tray
40	560004593	Panel, Front, Stainless Steel
	560004626	Panel, Front, Beige
	560004591	Panel, Front, White
	560004627	Panel Front, Black
41	150918000	Machine Screw, Sl Truss Hd., No. 8-32 By 3/8-In. Long
42	4659	Filter
43	560001785	Button Plug
44	560004436	Condenser Coil
45	165595003	Blade, Fan
46	560004599	Shroud, Condenser
47	186154000	Machine Screw, Phil Pan Hd., No. 8-36 By 3/8-In. Long
48	319357000	Motor, 230V 50/60HZ 50W 1550RPM
49	163183007	Bracket, Condenser Motor
50	560004746	Control Box, Lower
51	320620000	Relay, 208/240V 50/60HZ
52	40285	Relay, Start, 230V 60HZ
53	560004748	Strap, Capacitor
54	187552000	Machine Screw, Phil Rd Hd, No. 8-32 By 1/4-In. Long
55	560003369	Capacitor, Start
56	161192005	Capacitor, Run
57	325192000	Snap Bushing
58	312251000	Thread Rolling Screw, Phil Pan Hd, No. 10-24 By 3/8-In. Long

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

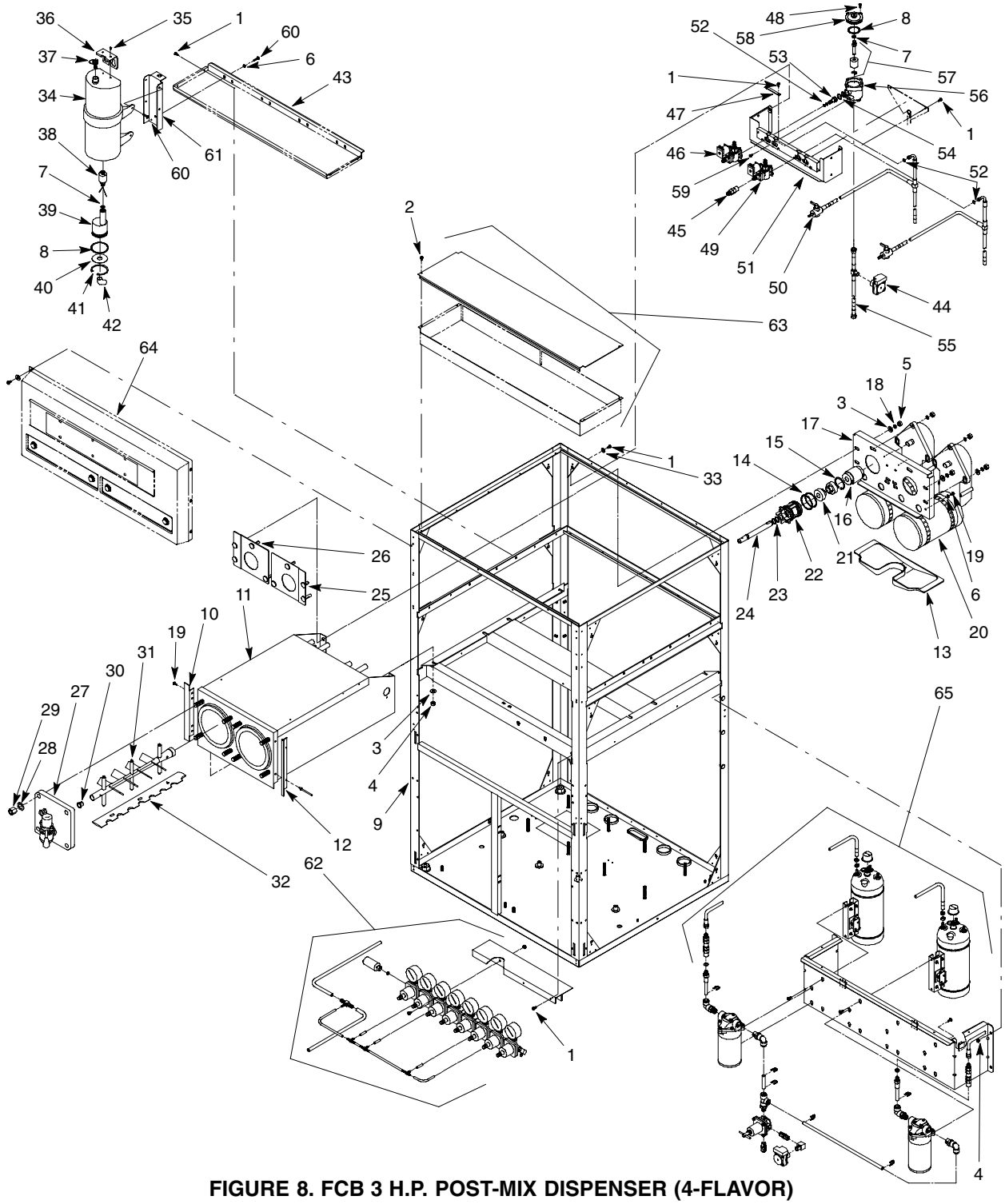


FIGURE 8. FCB 3 H.P. POST-MIX DISPENSER (4-FLAVOR)

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

Item No.	Part No.	Name
1	319941000	Thread Rolling Screw, Hex Washer Hd., No. 8-32 By 3/8-In. Long
2	325282000	Self-Drilling Screw, Hex Washer Hd., No. 8-18 By 1/2-In. Long
3	318418000	Washer, .312 I.D.
4	189429000	Hex Nut, 1/4-20
5	560004690	Hex Nut, 5/16-18
6	343304000	Washer, No. 10
7	315931000	O-Ring, .364 I.D. By .070 C.S.
8	315925000	O-Ring, 1.609 I.D. By .139 C.S.
9	560004450	Frame
10	326049000	Extension, Foam Pack
11	3409	Foam Pack
12	325557000	Trim, Foam Pack
13	3879	Cover, Motor
14	2360	O-Ring, 1.86 I.D. By .139 C.S.
15	2583	Retaining Ring
16	3787	Coupling, Shaft
17	3238	Bracket, Motor
18	343313000	Washer, .332 I.D.
19	320940000	Self-Drilling Screw, Hex Washer Hd., No. 10-16 By 5/8-In. Long
20	3471	Motor, 1/4 H.P. 220V 60HZ 120 RPM
21	2463	Bearing, Shaft
22	2591	Housing, Shaft
23	2731	O-Ring, .671 I.D. By .139 C.S.
24	3156	Drive Shaft Ass'y
25	3237	Plate, Beater Motor, Right-Hand
26	3236	Plate, Beater Motor, Left-Hand
27	560003255	Door Ass'y, Freeze Cylinder (See Figure 14)
28	320916000	Washer, .450 I.D.
29	320553001	Hex Nut, 7/16-14
30	2392	Bushing, .500 I.D.
31	3432	Body, Beater
32	325457000	Blade, Scraper
33	320539000	Washer, .191 I.D.
34	324047000	Tank, Blender
35	311751000	Machine Screw, Sl Hex Washer Hd., No. 4-40 By 1/4-In. Long
36	311743000	Retainer, Blender
37	326105000	Relief Valve Ass'y, 50-PSI
38	325288000	Switch Ass'y, Float
39	324048000	Holder, Float Switch
40	324116000	Washer, .625 I.D.
41	324115000	Ring, Retainer
42	186570000	Strain Relief
43	325508000	Support, Blender
44	5081	Soldout Switch
45	311764001	Check Valve Ass'y, Single (See Figure 19)
46	2487	Solenoid Valve Ass'y, Syrup (See Figure 16)
47	2469	Retainer, Module
48	343487000	Machine Screw, Phil Pan Hd., No. 8-32 By 1/2-In. Long
49	2486	Solenoid Ass'y, Water (See Figure 16)
50	3597	Tube Ass'y, Carb Water Outlet (See Figure 23)
51	2468	Panel, Solenoid
52	317015000	O-Ring, .239 I.D. By .070 C.S.
53	2462	Connector, Solenoid
54	183008000	O-Ring, .489 I.D. By .070 C.S.
55	560000854	Tube Ass'y, Syrup (See Figure 24)
56	315915000	Body, Float Switch
57	325170000	Float Switch
58	315916000	Cover, Switch
59	186150000	Machine Screw, Phil Pan Hd., No. 8-32 By 3/8-In. Long
60	188206000	Thread Rolling Screw, Phil Truss Hd., No. 10-24 By 3/4-In. Long
61	325507000	Bracket, Tank
62		Regulator Ass'y Components (See Figure 9)
63		Control Box Components (See Figure 10)
64		Sign Display Components (See Figure 11)
65		Carbonator and Pump Components (See Figure 12)

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

Item No.	Part No.	Name
		Regulator Ass'y Components
1	319941000	Thread Rolling Screw, Hex Washer Hd., No. 8-32 By 3/8-In. Long
2	178025100	Tapered Gasket, White
3	325776000	Pressure Switch, CO_2
4	560004438	Regulator Ass'y (See Figure 17)
5	174058000	Tube, .156 I.D. By 3-In. Long, CO_2 Regulator to Tee
6	317528000	Fitting, Tee, 1/8-Barb
7	174058000	Tube, .156 I.D. By 11-In. Long, Regulator Tee to Drain Tee
8	300393000	Fitting, Tee, 3/16-Barb By 3/8-Barb
9	174058000	Tube, .156 I.D. By 1-In. Long, CO_2 Regulator to Tee
10	174058000	Tube, .156 I.D. By 6-In. Long
11	560004445	Bracket, Regulator
12	186770000	Machine Screw, Phil Rd Hd., No. 10-24 By 5/8-In. Long
13	398024603	Hex Nut, No. 10-24
14	174058000	Tube, .156 I.D. By 2-In. Long, Tee to Tee
15	174058000	Tube, .156 I.D. By 7-In. Long, Tee to Tee

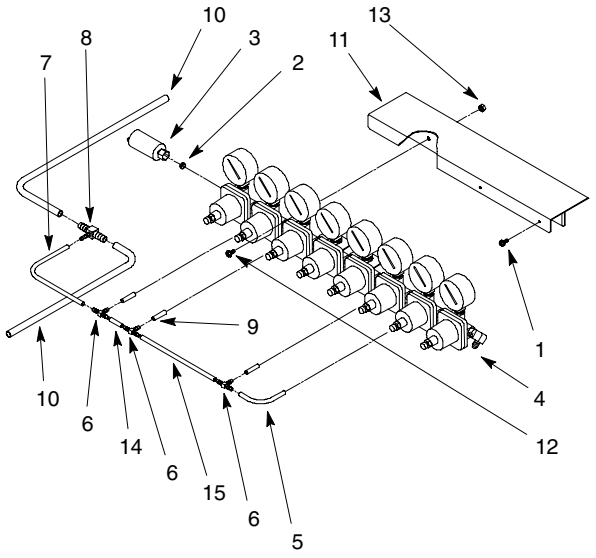


FIGURE 9. REGULATOR ASS'Y COMPONENTS (4-FLAVOR)

Item No.	Part No.	Name
		Control Box Components
1	325282000	Self-Drilling Screw, Hex Washer Hd., No. 8-18 By 1/2-In. Long
2	316963000	Bushing, Snap, .875 Dia.
3	326031000	Cover, Control Box, Upper
4	324136001	Board, P.C.
5	326077000	Board, P.C., Motor No. 2
6	326076000	Board, P.C., Motor No. 1
7	1020	Wire Harness, Circuit Board (Not Shown)
8	312251000	Thread Rolling Screw, Phil Pan Hd., No. 10-24 By 3/8-In. Long
9	0642	Control Box, Upper
10	0150	Fan, 230V 9W
11	325925000	Support, P.C. Board

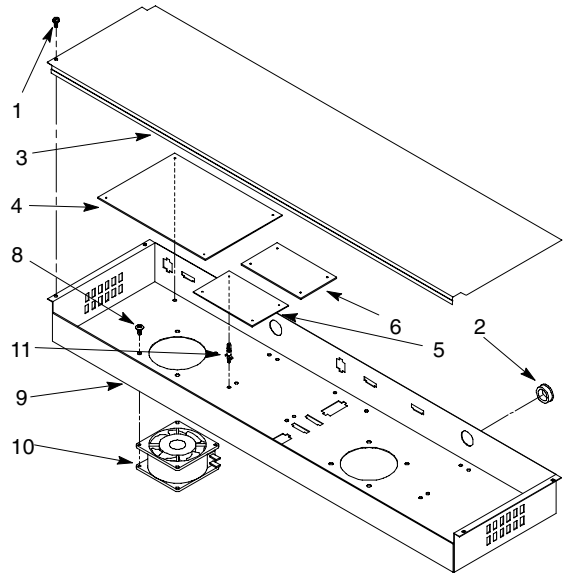


FIGURE 10. CONTROL BOX COMPONENTS (4-FLAVOR)

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

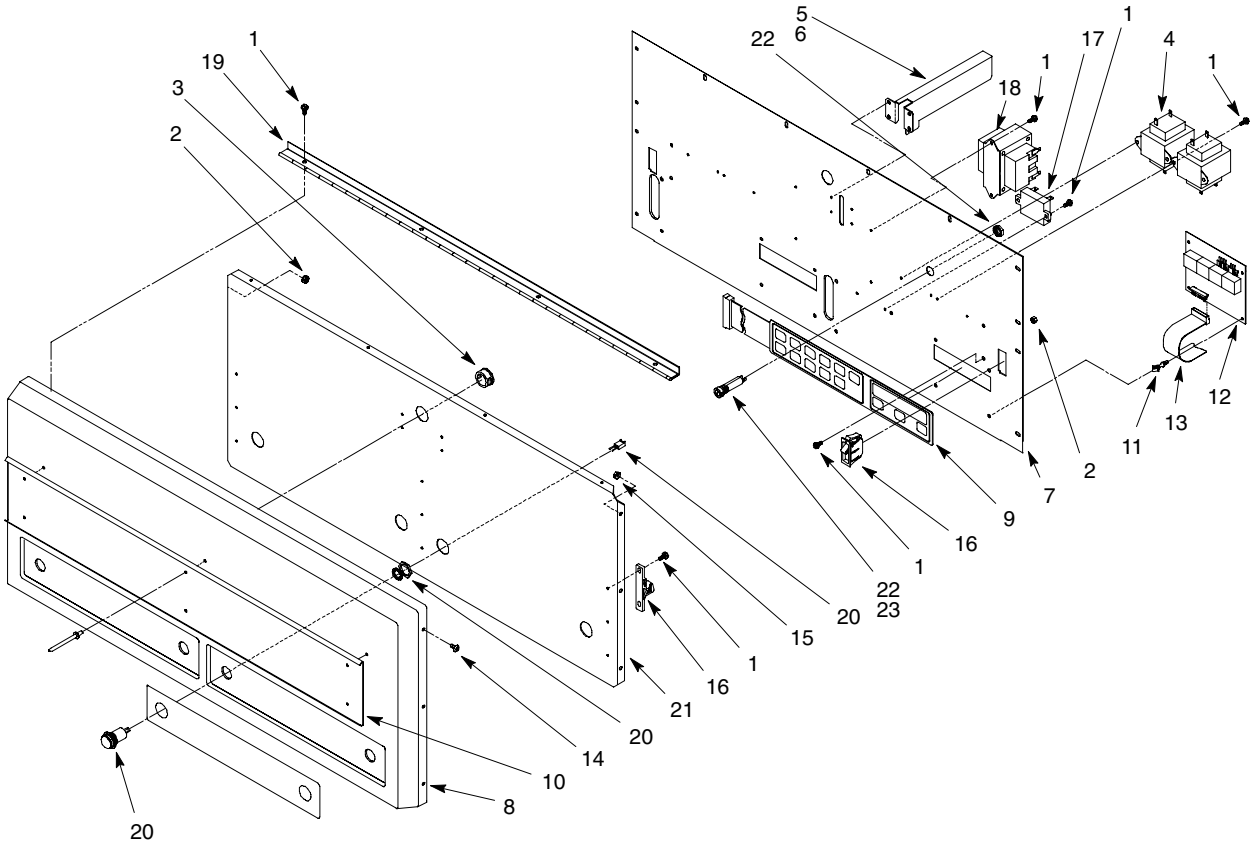


FIGURE 11. SIGN DISPLAY COMPONENTS (4-FLAVOR)

Item No.	Part No.	Name
		Sign Display Components
1	319941000	Thread Rolling Screw, Hex Washer Hd, No. 8-32 By 3/8-In. Long
2	200498003	Hex Nut, No. 8-32
3	320389000	Snap Bushing, .875 Dia.
4	319739000	Transformer, 240V 50/60 HZ-24V
5	560004471	Support, Hinge
6	560004472	Bracket, Hinge Support
7	560004440	Plate, Backup
8	560004441	Housing, Display
9	4712	Switch, Touch
10	326082069	Holder, Flavor Tab
11	560001784	Support, P.C. Board

Item No.	Part No.	Name
12	326078000	P.C. Board, Circuit
13	326079000	Cable, Ribbon
14	320271000	Thread Cutting Screw, Phil Pan Hd, No. 6-32 By 3/8-In. Long
15	330181000	Hex Nut, No. 6-32
16	560001783	Latch Ass'y
17	560001278	Relay, 125V 60HZ 15A
18	560001283	Transformer, 115/24V 50/60HZ
19	560004444	Hinge, Display
20	560000932	Light, Indicator
21	560004439	Panel, Door, Backup
22	560001282	Holder, Fuse
23	560004586	Fuse, 75 Amp

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

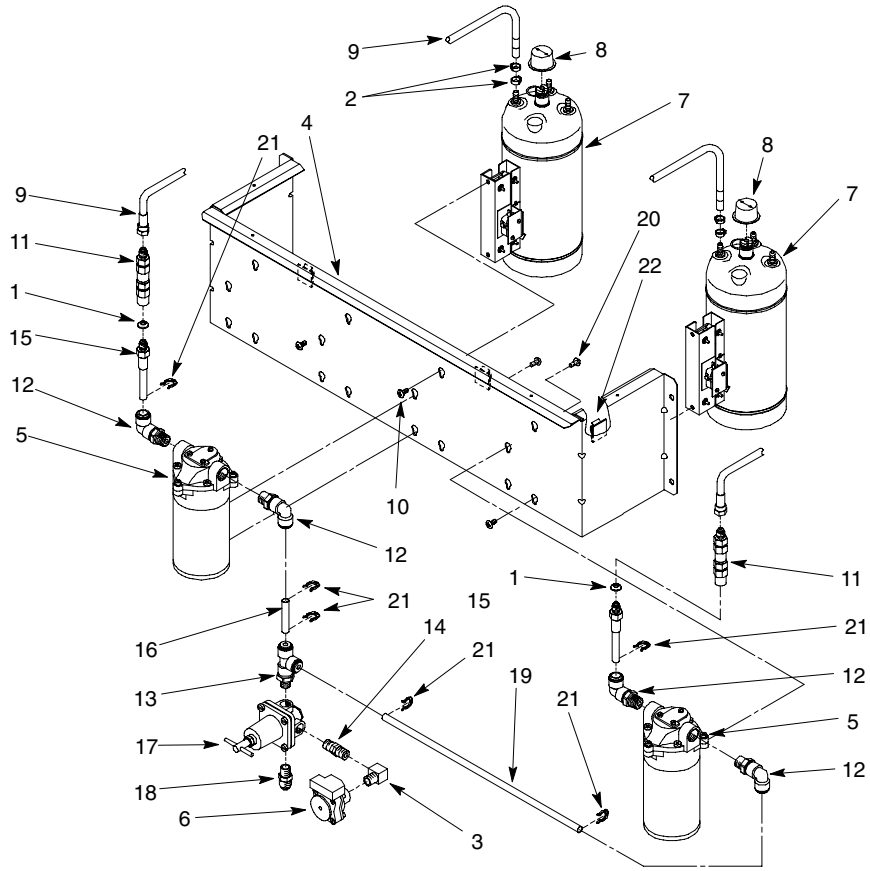


FIGURE 12. CARBONATOR AND PUMP COMPONENTS (4-FLAVOR)

Item No.	Part No.	Name
		Carbonator and Pump Components
1	178025100	Tapered Gasket, White
2	309854000	Clamp, For .395 O.D. Tube
3	183068000	Fitting, Elbow, 1/4-NPT
4	560004437	Bracket, Carbonator
5	3149	Pump and Motor Ass'y
6	3159	Pressure Switch, Water
7	318035000	Carbonator Ass'y (See Figure 18)
8	317974000	Deflector, Relief Valve
9	319829000	Tube Ass'y, Water Pump to Carbonator (See Figure 22)
10	320767000	Machine Screw, Phil Pan Hd., No. 10-24 By 3/8-In. Long
11	311765001	Check Valve Ass'y, Dual (See Figure 19)

Item No.	Part No.	Name
12	4416	Fitting, Elbow, 3/8-MPT By 3/8
13	4415	Fitting, Tee, 1/4-MPT By 3/8
14	183047000	Fitting, 1/4-NPT By 7/8-Brass
15	4419	Tube, .250 I.D. By 2-In. Long
16	4420	Tube, .250 I.D. By 2-In. Long
17	0784	Pressure Regulator, Water
18	312062000	Fitting, 1/4-NPT By 5/8-18
19	4421	Tube, .250 I.D. By 12-In. Long
20	317895000	Thread Cutting Screw, Phil Pan Hd., No. 10-32 By 1/2-In. Long
21	4417	Clip, Lock
22	313736000	Clip, Guide

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

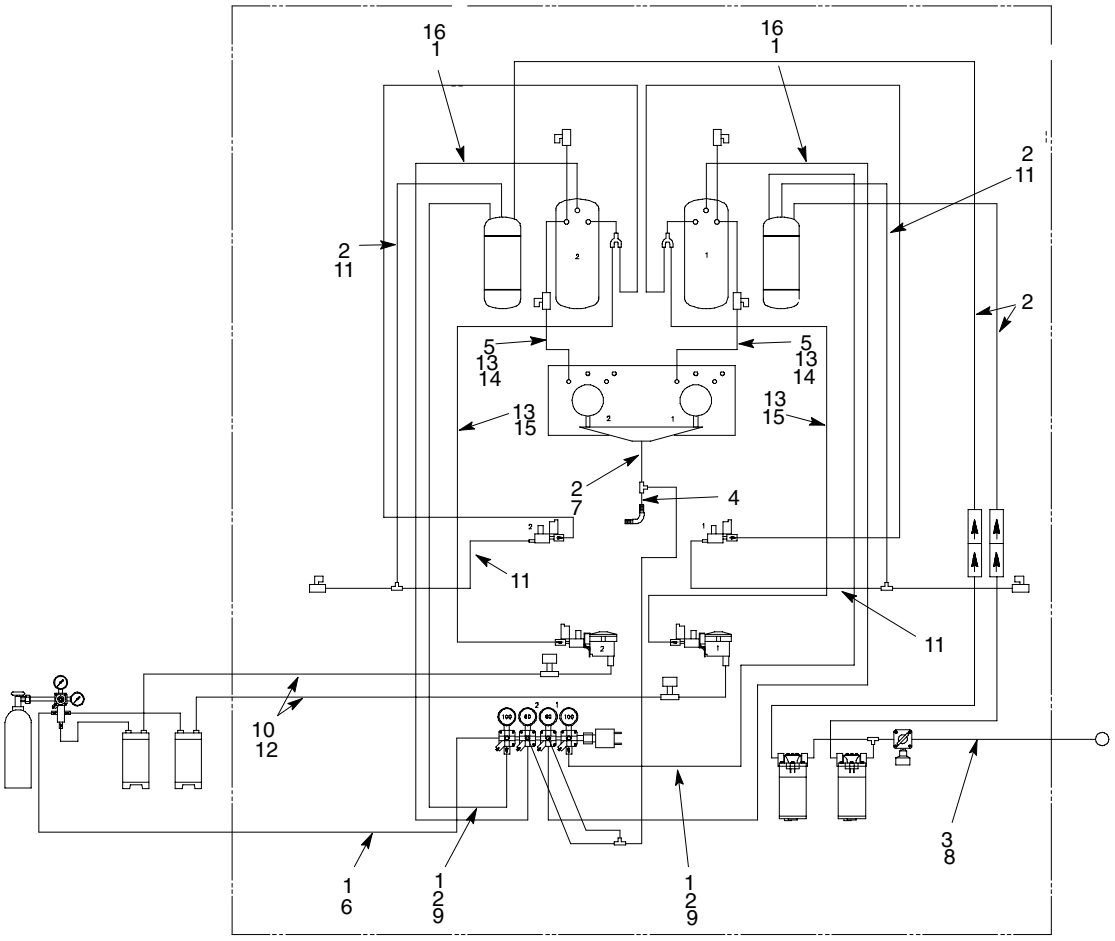


FIGURE 13. FCB 3 H.P. POST-MIX DISPENSER FLOW DIAGRAM (2-FLAVOR)

Item No.	Part No.	Name
1	178025100	Tapered Gasket, White
2	560004335	Clamp, For .395 O.D. Tube (2-Flavor)
	309854000	Clamp, For .395 O.D. Tube (4-Flavor)
3	311304000	Tapered Gasket, Black
4	320969000	Tube, .312 I.D. By 6-In. Long (2-Flavor)
	324244000	Fitting, Wye (4-Flavor)
5	178025200	Tapered Gasket, Red
6	174061196	Tube Ass'y, CO_2 Cylinder to CO_2 Regulator Ass'y (See Figure 21)
7	187462000	Tube, .312 I.D. By 20-In. Long (2-Flavor)
	186182000	Tube, .312 I.D. By 16-In. Long (4-Flavor)

Item No.	Part No.	Name
8	176272396	Tube Ass'y, Water Inlet, 2-Flavor (See Figure 21)
	560004597	Tube Ass'y, Water Inlet, 4-Flavor (See Figure 28)
9	3844	Tube Ass'y, CO_2 Regulator to Carbonator (See Figure 22)
10	176193000	Fitting, 7/16-20
11	3597	Tube Ass'y, With Shutoff Valve, Carb Water (See Figure 23)
12	560000854	Tube Ass'y, Syrup (See Figure 24)
13	325576000	Syphon Tube
14	1578	Tube Ass'y, Blender to Freeze Cylinder (See Figure 26)
15	2491	Tube Ass'y, Water Solenoid to Blender (See Figure 27)
16	326098000	Tube Ass'y, CO_2 Regulator to Blender (See Figure 25)

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

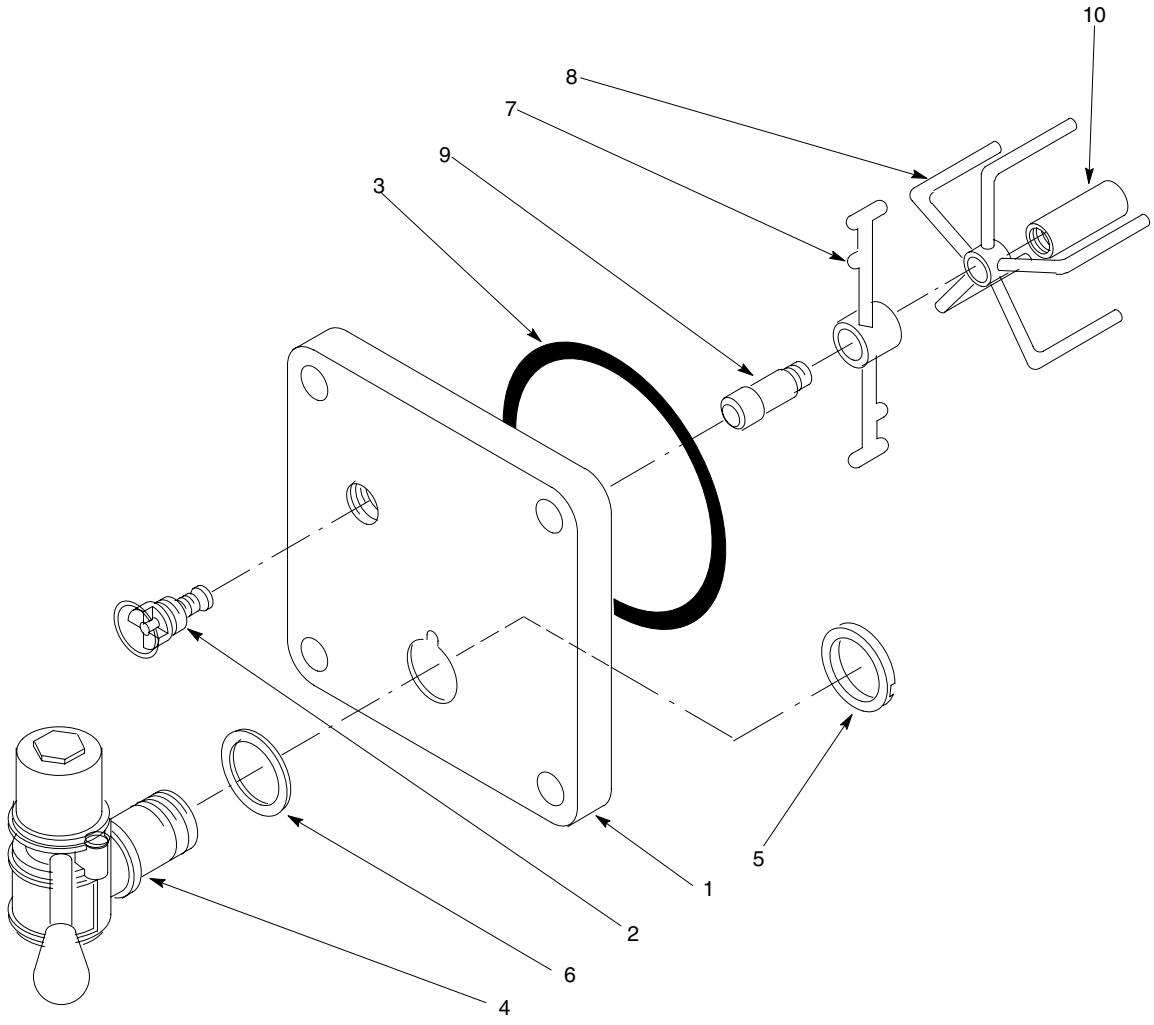


FIGURE 14. FACEPLATE ASSEMBLY

Item No.	Part No.	Name
	326106000	Door, Freeze Cylinder Ass'y
	560003255	Door, Freeze Cylinder Ass'y (Delta)
1	325918000	Door, Freeze Cylinder
2	325954000	Relief Valve Ass'y
3	320678000	O-Ring, 4.60 I.D. By .210 C.S.
4	1557	Valve Head Ass'y (See Figure 15)
	560000939	Valve Head Ass'y (Delta)

Item No.	Part No.	Name
5	321652000	Shank Nut
6	325936000	Spacer
7	321269001	Spinner
8	322441000	Sensor
9	2361	Shaft
10	2358	Pin, Beater Bar

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

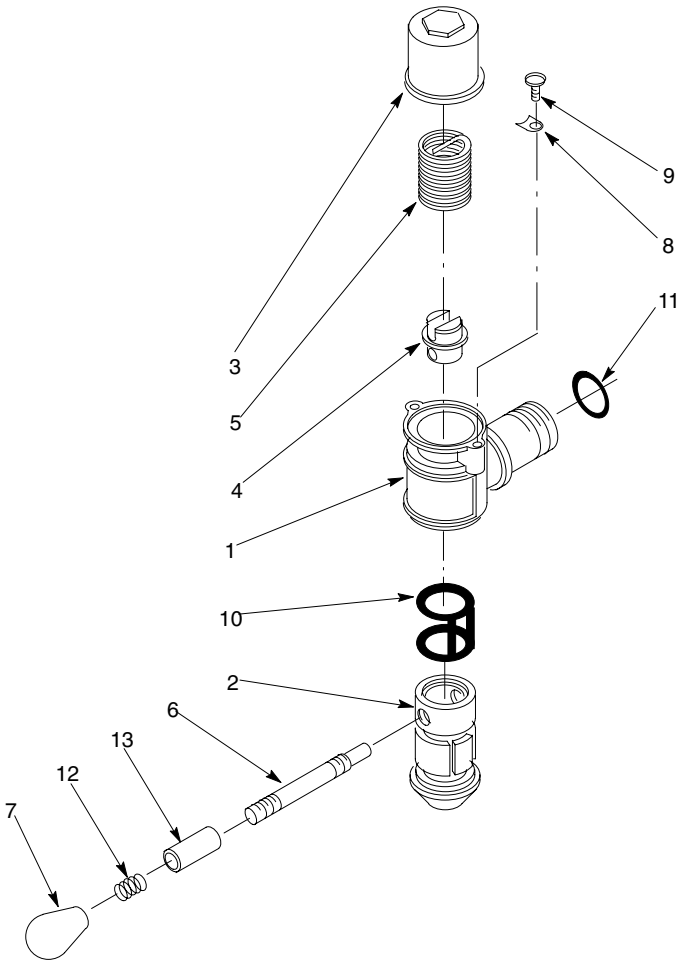


FIGURE 15. DISPENSING VALVE ASSEMBLY

Item No.	Part No.	Name
	1557	Dispensing Valve Ass'y
1	1556	Body and Shank
2	1554	Valve
3	1576	Housing
4	1575	Fitting
5	325305000	Spring
6	321651000	Lever, Valve
7	1555	Knob

Item No.	Part No.	Name
8	325647000	Plate
9	317784000	Thread Cutting Screw, Phil Truss Hd., Stainless Steel, No. 8-32 By 3/8-In. long
10	2818	O-Ring, Caged, .562 I.D. By .210 C.S.
11	321653000	O-Ring, .862 I.D. By .103 C.S.
12	1544	Spring
13	1543	Shaft Release

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

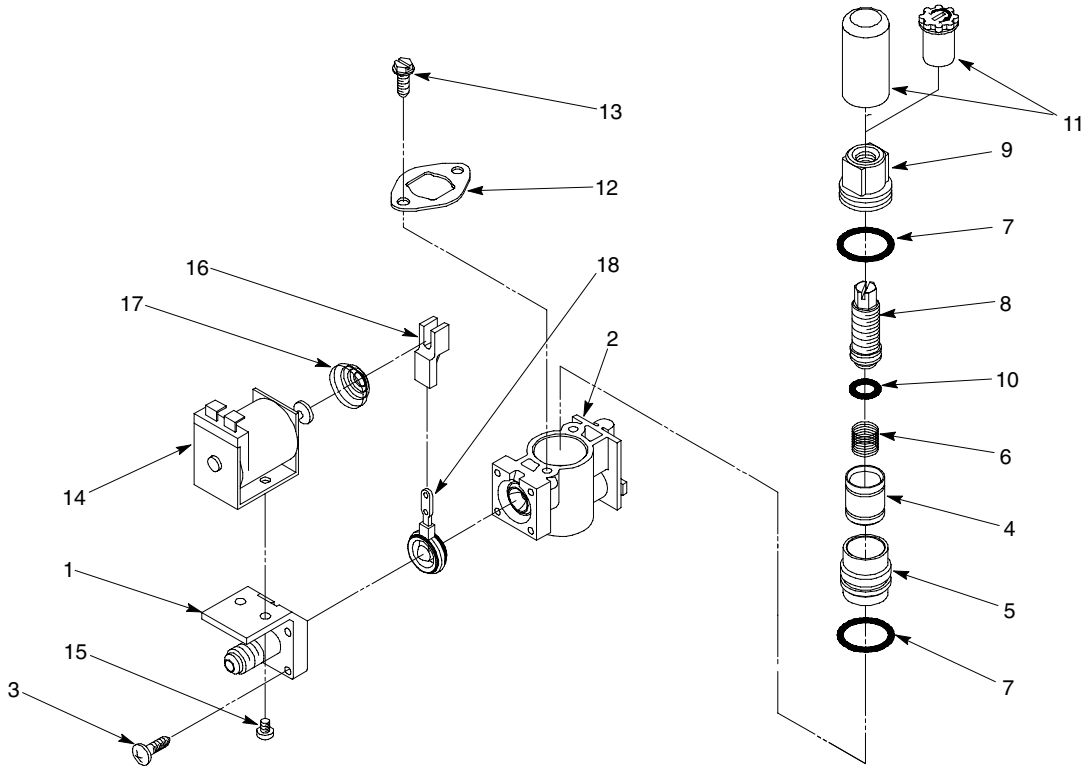


FIGURE 16. SOLENOID VALVE ASSEMBLY

Item No.	Part No.	Name
	2486	Solenoid Valve Ass'y, Water
	2487	Solenoid Valve Ass'y, Syrup
1	2356	Block, Valve
2	1319	Body, Valve
3	0837	Thread Rolling Screw, Phil Pan Hd., No. 6-32 By 5/8-In. Long
4	310754011	Piston, Water
	310480011	Piston, Syrup
5	317431011	Cylinder
6	310482000	Spring
7	317816000	O-Ring, .676 I.D. By .070 C.S.

Item No.	Part No.	Name
8	310632051	Adjusting Screw
9	1318	Flow Control, Top
10	180025000	O-Ring, .364 I.D. By .070 C.S.
11	309992000	Cap, Sleeve, Water
	309991000	Knob, Sleeve, Syrup
12	1545	Retainer, Flow Control
13	1081	Thread Cutting Screw, Hex Washer Hd., No. 8-16 By 1/2-In. Long
14	0024	Solenoid, 24V.
15	187188000	Machine Screw, Phil Pan Hd., No. 8-32 By 1/4-In. Long
16	317579000	Arm, Solenoid
17	318528000	Spring
18	311355000	Inlet Valve

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

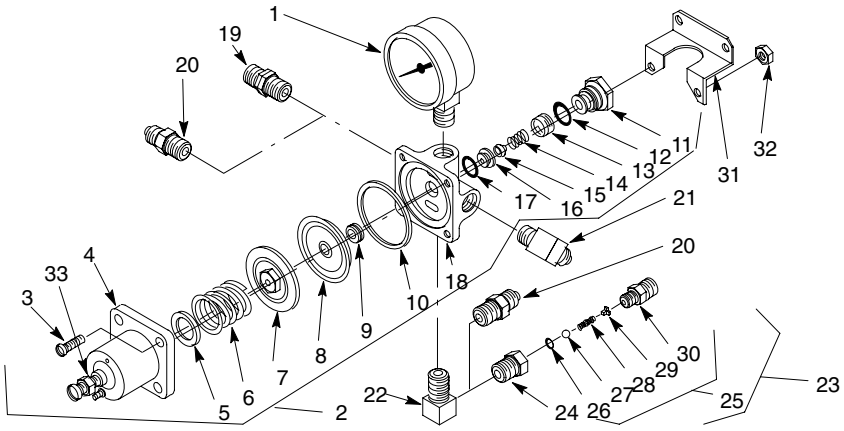


FIGURE 17. CO_2 REGULATOR ASSEMBLY

Item No.	Part No.	Name
	326097000	CO_2 Regulator Ass'y and Bracket, Secondary (2-Flavor)
	326099000	CO_2 Regulator Ass'y and Bracket, Secondary (4-Flavor)
1	183287000	Gage, 60 PSI
	183286000	Gage, 100 PSI
2	183449000	CO_2 Regulator Ass'y, 60 PSI, Orange (Includes 3-18)
	183412000	CO_2 Regulator Ass'y, 100 PSI, Gold (Includes 3-18)
3	183040000	Machine Screw, Phil Fill Hd., No. 10-32 By 7/8-In. Long
4	183233059	Cover Kit (Includes Nonremovable Adjusting Screw)
5	183021000	Retainer, Spring
6	315424000	Adjusting Spring, 60PSI
	183020000	Adjusting Spring, 100 PSI
7	130174000	Diaphram Ass'y
8	183011047	Baffle
9	130167000	Guide
10	183010000	Gasket
11	183009007	Retainer, Seat
12	183008000	O-Ring, .489 I.D. By .070 C.S.

Item No.	Part No.	Name
13	183007000	Filter Screen
14	183006000	Spring, Poppet
15	130170000	Valve, Poppet
16	130168000	Reducing Valve Seat
17	183003000	Gasket, Seat
18	183001015	Body
19	183047000	Fitting, 1/4-NPT
20	183061000	Fitting, 1/4-NPT By 7/16-20
21	187485000	Fitting, Elbow, 1/4-NPT By 7/16-20
22	183068000	Fitting, Elbow, 1/4-NPT
23	183301001	Check Valve Ass'y with Adapter (Includes 24-30)
24	183300001	Adapter
25	183320100	Check Valve Ass'y (Includes 26-30)
26	183294000	Quad Ring, .145 I.D. By .070 C.S.
27	183296000	Ball
28	183297000	Spring
29	183298000	Retainer
30	183295100	Body
31	183317000	Bracket, Regulator
32	321811000	Hex Nut, Keps, 1/4-20
33	324211000	Fitting, 1/16-NPT By 5/32-Barb

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

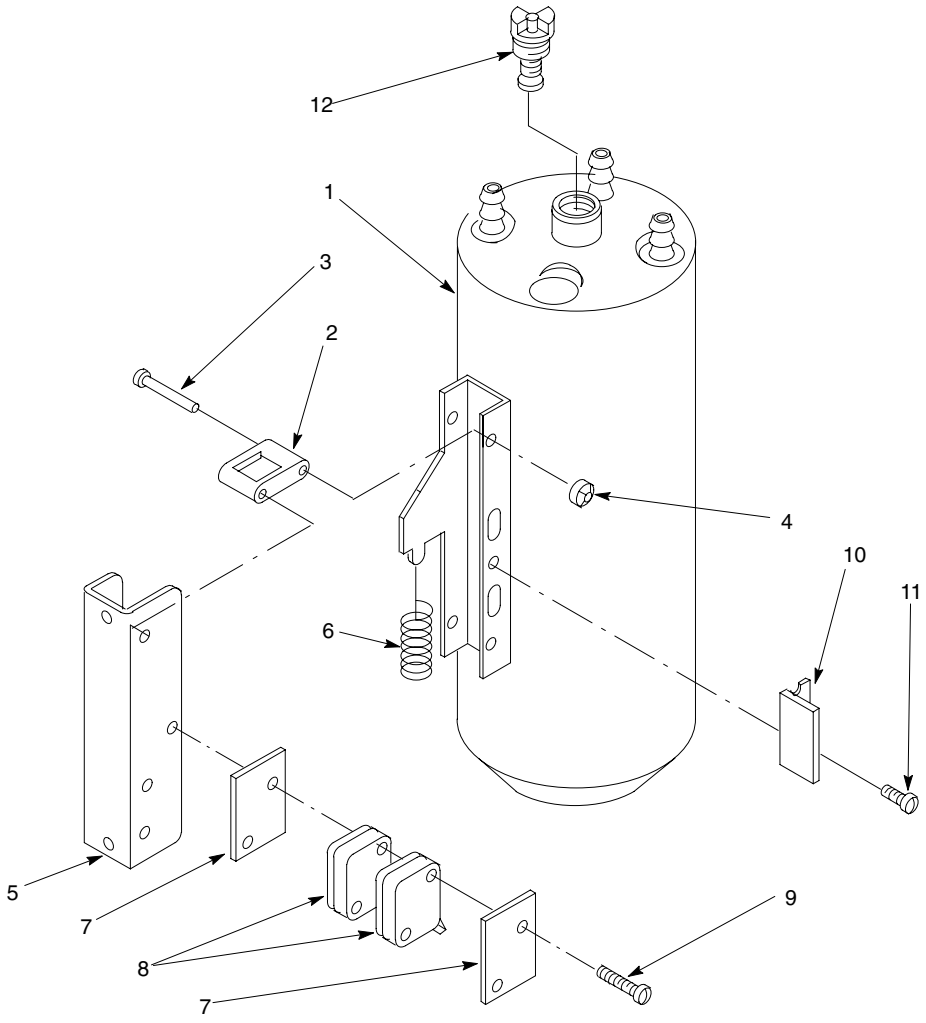


FIGURE 18. CARBONATOR TANK AND LINKAGE ASSEMBLY

Item No.	Part No.	Name
	326136000	Carbonator Tank and Linkage Ass'y
1	326135000	Tank, Carbonator
2	317746000	Link, Pivot
3	317772000	Pin
4	318036000	Push-on Nut
5	317747000	Pivot Housing
6	317752000	Spring

Item No.	Part No.	Name
7	318037000	Insulation, Switch
8	317771000	Level Control Switch
9	315961000	Machine Screw, Sl. Rd. Hd., No. 4-40 By 1-1/8-In. Long
10	318123000	Switch, Actuator
11	342663000	Thread Cutting Screw, Phil Pan Hd., Sems, No. 8-32 By 3/8-In. Long
12	318362000	Relief Valve

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

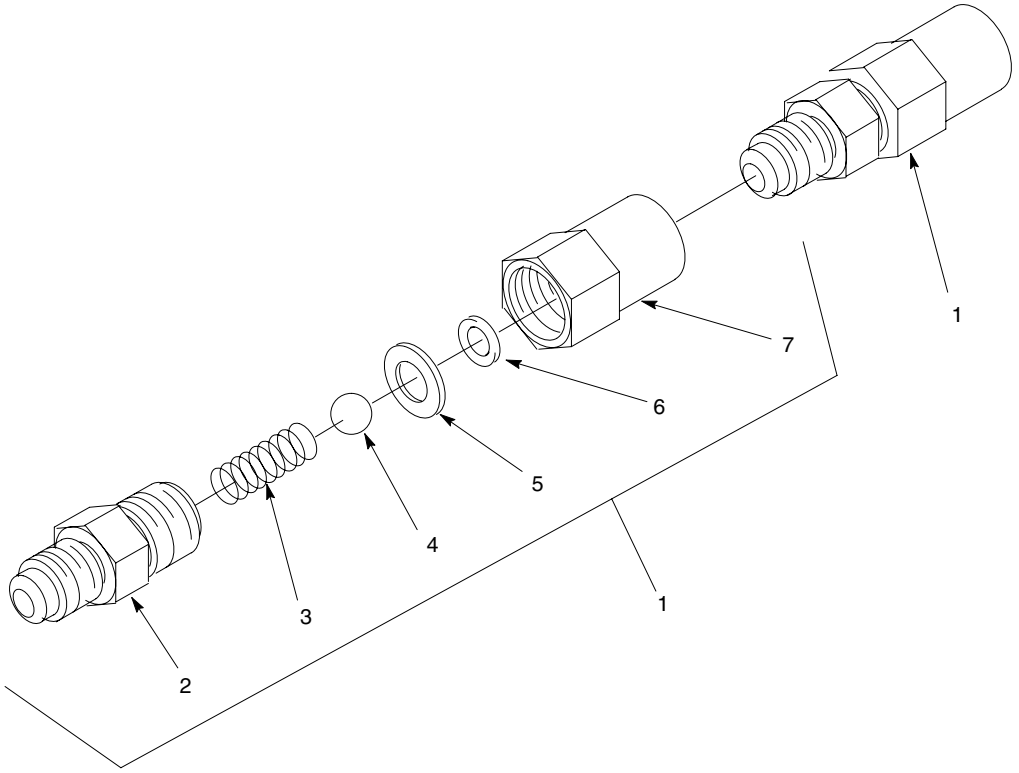


FIGURE 19. DOUBLE CHECK VALVE ASSEMBLY

Item No.	Part No.	Name
	311765001	Double Check Valve Ass'y
1	311764001	Single Check Valve Ass'y (Includes 2-7)
2	317965000	Retainer
3	312196000	Spring

Item No.	Part No.	Name
4	312419000	Ball
5	312415000	Washer, .300 I.D.
6	312418000	Quad Ring, .329 I.D.
7	317963000	Receptacle

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

Item No.	Part No.	Name
1	170423000	Hex Nut, 5/8-32
2	151281000	Washer, .640 I.D.
3	140133000	Clamp, .687 O.D.
4	170413000	Fitting , Drain
5	3129	Fitting, 5/8-18
6	315865000	Tube, .625 I.D. By 75-In. Long

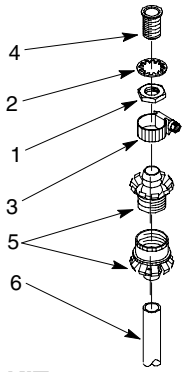


FIGURE 20. DRIP TRAY DRAIN KIT

Item No.	Part No.	Name
	174061196	Tube Ass'y, Cylinder to Regulator
	312948003	Tube Ass'y, Regulator to Pump
	176272396	Tube Ass'y, Water Inlet
1	174478000	Tube, .265 I.D. By 96-In. Long
	174103001	Tube, .265 I.D. By 12-In. Long
	174292000	Tube, .375 I.D. By 96-In. Long
2	176000000	Ferrule, .500 O.D. Tube
	176001000	Ferrule, .465 O.D. Tube
	176204000	Ferrule, .640 O.D. Tube
3	77010400	Nipple, .265 I.D. Tube
	176205000	Nipple, .375 I.D. Tube
4	176017000	Nut, Swivel, 7/16-20
	311242000	Nut, Swivel, 5/8-18

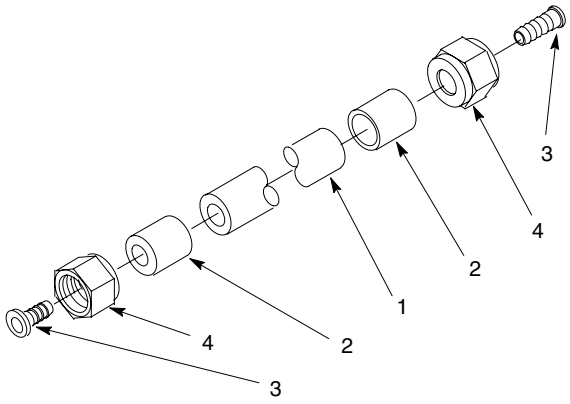


FIGURE 21. TUBING ASSEMBLY

Item No.	Part No.	Name
	3844	Tube Ass'y, Regulator to Carbonator
	318045000	Tube Ass'y, Pump to Carbonator
	319829000	Tube Ass'y, Pump to Carbonator
1	174103001	Tube, .250 I.D. By 27-In. Long
	174103001	Tube, .265 I.D. By 12 3/4-In. Long
	174103001	Tube, .265 I.D. By 16-In. Long
2	176001000	Ferrule, .425 O.D. Tube
3	77010400	Nipple, .250 I.D. Tube
4	176017000	Nut, Swivel, 7/16-20

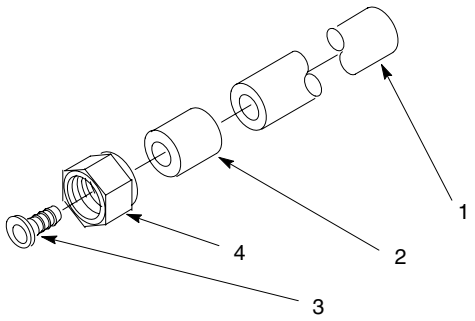


FIGURE 22. TUBING ASSEMBLY

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

Item No.	Part No.	Name
	3597	Tube Ass'y, Carb Water Outlet
1	77060100	Fitting, Tee, Barb
2	77050100	Fitting, Elbow, Valve
3	325012000	Shut-Off Valve
4	174103000	Tube, .250 I.D. By 52-In. Long
	174103000	Tube, .250 I.D. By 3-7/8-In. Long
5	176001000	Ferrule, .425 O.D. Tube
6	174103001	Tube, .250 I.D. By 36-In. Long

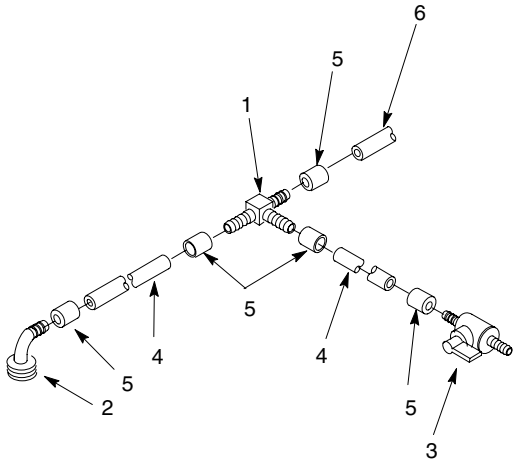


FIGURE 23. TUBING ASSEMBLY (CARB WATER)

Item No.	Part No.	Name
	560000854	Tube Ass'y, Syrup
1	176017000	Nut, Swivel, 7/16-20
2	77010400	Nipple, .265 I.D. Tube
3	176000000	Ferrule, .500 O.D. Tube
4	174478000	Tube, .265 I.D. By 92-In. Long
	174478000	Tube, .265 I.D. By 3-In. Long
5	5083	Fitting, Tee, Barb
6	176271000	Nipple, .265 I.D. Tube
7	311242000	Nut, Swivel, 5/8-18

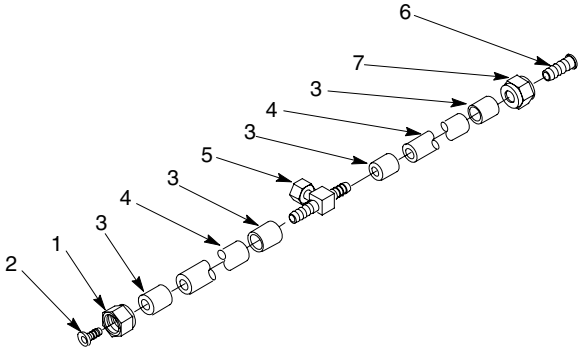


FIGURE 24. TUBING ASSEMBLY (SYRUP)

Item No.	Part No.	Name
	326098000	Tube Ass'y, Regulator to Blender
1	174103000	Tube, .250 I.D. 48-In. Long
2	176001000	Ferrule, .375 O.D. Tube
3	176017000	Nut, Swivel, 7/16-20
4	77010400	Nipple, .250 I.D. Tube
5	311741000	Connector, Barb

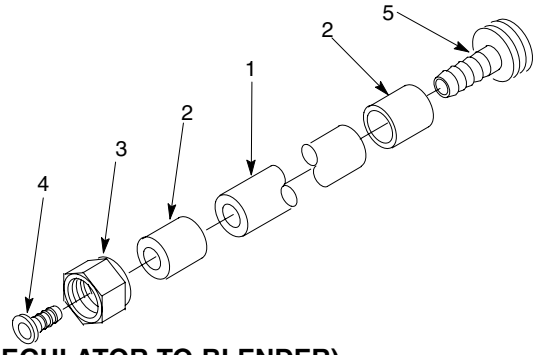


FIGURE 25. TUBING ASSEMBLY (REGULATOR TO BLENDER)

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER

Item No.	Part No.	Name
	1578	Tube Ass'y, Blender to Freeze Cylinder
1	174103000	Tube, .250 I.D. By 1-3/4-In. Long
	174103000	Tube, .250 I.D. By 2-1/2-In. Long
	174103000	Tube, .250 I.D. By 18-1/2-In. Long
	174103000	Tube, .250 I.D. By 54-In. Long
2	176001000	Ferrule, .375 O.D. Tube
3	176016000	Nut, Swivel, 1/2-16
4	77020400	Nipple, .250 I.D. Tube
5	1561	Connector, Barb
6	325012000	Shut-Off Valve
7	77060100	Fitting, Tee, Barb

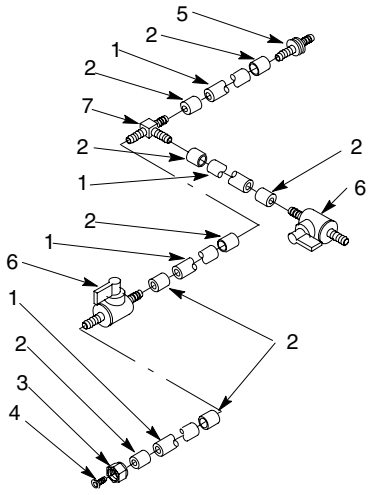


FIGURE 26. TUBING ASSEMBLY (BLENDER TO FREEZE CYLINDER)

Item No.	Part No.	Name
	2491	Tube Ass'y, Water Solenoid to Blender
1	311742000	Connector, Barb
2	176001000	Ferrule, .375 O.D. Tube
3	174103000	Tube, .250 I.D. By 3-3/8-In. Long
	174103000	Tube, .250 I.D. By 1-3/4-In. Long
4	309854000	Clamp, .400 O.D. Tube
5	77900500	Turnaround, Barb
6	77010400	Nipple, .250 I.D. Tube
7	176017000	Nut, Swivel, 7/16-20

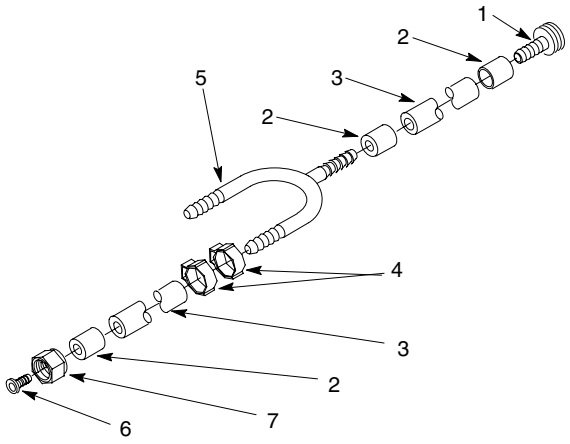


FIGURE 27. TUBING ASSEMBLY (WATER SOLENOID TO BLENDER)

Item No.	Part No.	Name
	560004597	Tube Ass'y, Water Inlet
1	174292000	Tube, .375 I.D. By 9-In. Long
	174292000	Tube, .375 I.D. By 16-In. Long
	174292000	Tube, .375 I.D. By 96-In. Long
2	311242000	Nut, Swivel, 5/8-18
3	176205000	Nipple, For .375 I.D. Tube
4	176204000	Ferrule, For .610 O.D. Tube
5	77060900	Fitting, Tee, 3/8-Barb
6	111557000	Shutoff Valve

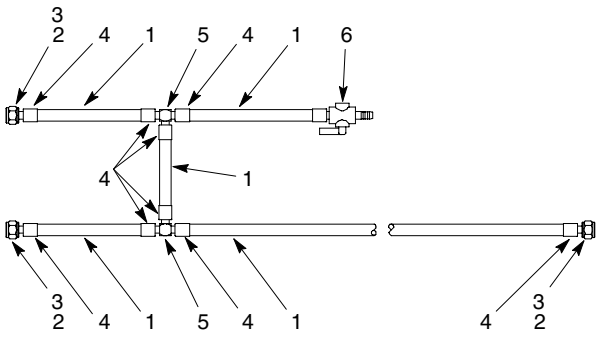


FIGURE 28. TUBING ASSEMBLY (WATER INLET)

©IMI Cornelius Co., 2003–2006

IMI CORNELIUS INC.
Telephone 1-800-238-3600

www.cornelius.com

ILLUSTRATED PARTS LIST

FCB 2 AND 4-FLAVOR (3 H.P.) DISPENSER ACCESSORIES/KITS

CASTER (322028000)

WASHER (323185000)

FRONT SOUND INSULATION (3637)

TOP SOUND INSULATION (3638)

SIDE SOUND INSULATION (3639)

©IMI Cornelius Co., 2003–2006

Manual Part No. 560001280IPL
Release Date: 8–5–2003; Revision: B
Revised: 5–19–2006